

DISP: _____

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
INDUSTRIAL WASTE/HAZARDOUS MATERIALS UNDERGROUND STORAGE
CLOSURE INSPECTION REPORT

Date 8-21-96

Facility Name ARM. 5 TRONG File No. I-011474-011576 - 25

Site Address 5037 DUTRA ST Permit No. 170642

Contact Person WILLIAM S. WOLFSHAER Phone (213) 562-7227

Type Inspection: ☐ Tank(s) & Piping ☐ Sump(s)
☐ Tank(s) only ☒ Closure in place
☐ Piping only ☐ Other _____

Contractor CORNERSTONE TECHNOLOGIES, INC Phone (714) 851-3099

Samples by ROBIN CLARK, DGT 5333 Phone (714) 851-3099

Geologist _____ Phone () _____

Industrial Hygienist _____ Phone () _____

Items closed:

Type (tank/sump)	Contents	Capacity	Proper Sampling [yes] [no]	Perm Removal	Perm In-place
1. <u>CLARIFIER</u>	<u>HM MGT</u>	<u>3000</u>	<input checked="" type="checkbox"/> []	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. _____	_____	_____	<input type="checkbox"/> []	<input type="checkbox"/>	<input type="checkbox"/>
3. _____	_____	_____	<input type="checkbox"/> []	<input type="checkbox"/>	<input type="checkbox"/>
4. _____	_____	_____	<input type="checkbox"/> []	<input type="checkbox"/>	<input type="checkbox"/>

Observations: [yes] [no]

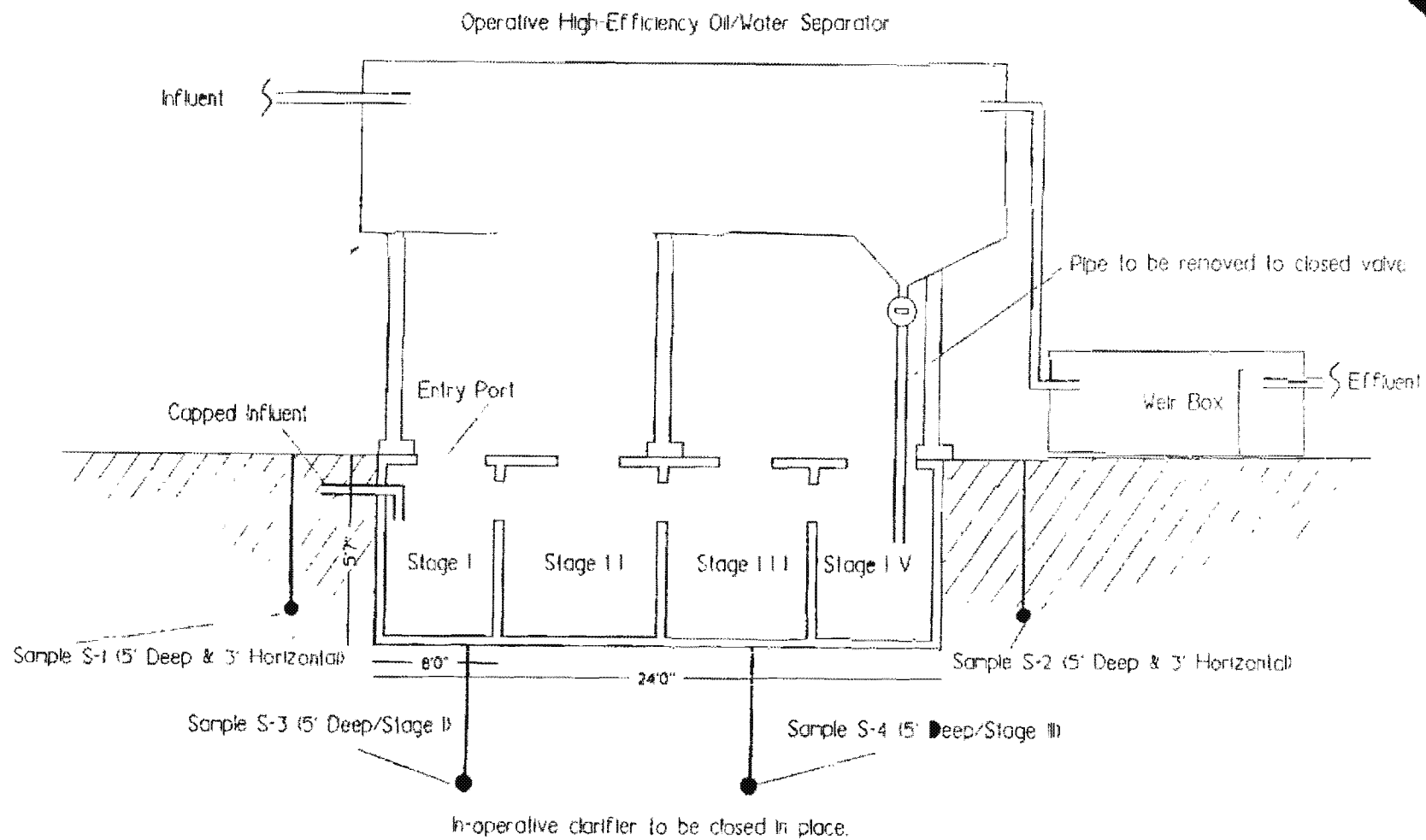
Visual contamination observed ☐ [] ☒ [X]
Sampling of excavated soil required ☐ [] ☒ [X]
Tanks structurally sound ☒ [X] ☐ []
Tanks remaining on site ☒ [X] ☐ []
Sampling conducted by DPW ☐ [] ☒ [X]
Notice issued ☐ [] ☒ [X]
How many 1 Monitor sys. none
Attach Chain-of-Custody _____
Attach copy of Notice _____

Comments: A TOTAL OF FOUR (4) SAMPLES TAKEN.

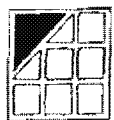
(See attached Survey)

Include a detailed site survey on the reverse of this form.

Inspector DAVID DOLPHIN Date 8-21-96



NOTE: In-operative clarifier has no connections to sewerage lines.



**CORNERSTONE
TECHNOLOGIES, INC.**
Environmental & Construction

ARMSTRONG WORLD INDUSTRIES, INC
5037 PATATA STREET
CITY OF SOUTH GATE
COUNTY OF LOS ANGELES, CALIFORNIA

FIGURE 2

SAMPLE LOCATIONS

PROJECT NO E3390-9642

ON FOR CLOSURE
JS MATERIALS UNDERGROUND STORAGE
OF LOS ANGELES-DEPARTMENT OF PUBLIC WORKS
MANAGEMENT DIVISION
S. FREMONT AVENUE
HAMBRA, CALIFORNIA 91803-1331

Permit 170642 B
File 011474-011516 R/C 25
Fee \$ 232
Check ☒ Cash ☐

OWNER: Name ARMSTRONG WORLD INDUSTRIES, INC.

Phone (213) 773-3813

Mailing Address 5037 PATATA STREET City SOUTH GATE State CA Zip 90280-3

FACILITY:

Occupant Name ARMSTRONG WORLD INDUSTRIES, INC. Phone (213) 773-3813

Site Address 5037 PATATA STREET City SOUTH GATE Zip 90280

Mailing Address SAME City SOUTH GATE State CA Zip 90280

Contact Person WILLIAM SCOTT WOYSHNER Title ENVIRONMENTAL SPECIALIST
(213) 562-7227

CONTRACTOR ☐, complete below:

OWNER/OPERATOR AS CONTRACTOR ☒

Name _____ Phone _____

State License No. _____ Class _____

CLOSURE REQUESTED:

☐ PERMANENT, TANK REMOVAL (See Conditions A and C Attached)

How many underground tanks will remain after this closure? _____

☒ PERMANENT, CLOSURE IN PLACE (See Conditions A and D Attached)

☐ TEMPORARY (See Conditions A and B Attached)

TANK DESCRIPTION:

PLOT PLAN ATTACHED ☒

EXISTING HMUSP NO. P0003065T

Tank No.	Tank Mat'l	Age	Capacity	Materials Stored (Past/Present)
1	CONCRETE	31 YRS.	3,600 GALLONS	HAZARDOUS MATERIALS (PAST) --OIL & WATER MIXTURE RAIN WATER (PRESENTLY)

COMPLETE THE FOLLOWING:

Has an unauthorized release ever occurred at this site? ☐ YES ☒ NO

Have structural repairs ever been made to these tanks? ☐ YES ☒ NO

Will new underground tanks be installed after closure? ☐ YES ☒ NO

Will any wells, including monitoring wells, be abandoned? ☐ YES ☒ NO

NOTICE: CONTAMINATED TANKS AND RESIDUES THAT MAY BE LEFT IN TANKS TO BE CLO
MAY BE A HAZARDOUS WASTE WHICH MUST BE TRANSPORTED AND DISPOSED OF PURSUANT
CHAPTER 6.5, CALIFORNIA HEALTH & SAFETY CODE. FAILURE TO COMPLY MAY BE
PROSECUTED AS A FELONY VIOLATION.

By signature below the applicant certifies that all statements and
disclosures above are true and correct and that they have read and agree
to abide by this permit and all conditions and limitations attached.

Applicant's Signature _____

(Print Name) JOHN R. TALBOT

Date 8/7/96

Phone (714) 851-3099

Owner ☐ Operator ☐ CONSULTANT ☒

TO BE COMPLETED BY THE DEPARTMENT OF PUBLIC WORKS
PURSUANT TO SECTION 11.80.0708, LOS ANGELES COUNTY CODE, PERMISSION IS HERE
GRANTED TO PROCEED WITH THE CLOSURE DESCRIBED ABOVE SUBJECT TO THE ATTACHED
CONDITIONS AND LIMITATIONS ☒. THIS PERMIT EXPIRES 180 DAYS FROM THE DATE
BELOW.

HARRY W. STONE

Director of Public Works

By Rene Ifer

Date 8/8/96

CLOSURE -- UNDERGROUND STORAGE TANKS

CONDITIONS A -- GENERAL

1. Closures shall be carried out such that all applicable regulations from the following agencies are complied with: Los Angeles County, Department of County Engineer - Facilities; Los Angeles County Fire Department, Fire Prevention Division or the appropriate City Fire Department; South Coast Air Quality Management District; and Los Angeles County Department of Health Services.
2. The County Engineer and Fire Departments shall be notified in advance of any closure in accordance with the following:
 - a. Removal of tank shall require a three (3) business day advance notification.
 - b. Permanent closure of a tank in place or a temporary closure shall require a 30 day written notification.
3. Consult current fee schedule for costs.
4. All abandoned wells shall be destroyed in such a way that they will not produce water or act as a channel for interchange of water, when such interchange may result in deterioration of the quality of water in any or all water bearing formations penetrated, or present a hazard to the safety and well-being of people and animals.
5. A well destruction permit issued by the Los Angeles Department of Health Services shall be required for all wells requiring a permit for their initial construction.
6. Well destruction shall be accomplished according to methods described in the latest "Water Well Standards" State of California" by the Department of Water Resources, contained in Bulletin 74-81, December 1981, or any other methods that will provide equivalent or better protection.
7. Plans for the decontamination of a facility shall be submitted to the County Engineer for approval no later than 30 days before the commencement of such operations. Other agencies having jurisdiction shall also be notified. These agencies include the California Regional Water Quality Board, the Los Angeles County Department of Health Services, and the South Coast Air Quality Management District.
8. Decontamination shall require the following, as a minimum:
 - a. Cleaning operation shall be done under the supervision of persons who understand the hazardous potential of the original liquid stored and its components.
 - b. The personnel shall be sufficiently skilled to safely carry out such operation.
 - c. Contaminated materials removed from such facility shall be disposed of at legal point of discharge.
 - d. The operation shall be carried out in a manner that will not endanger the health of the public and the environment.

CONDITIONS B -- TEMPORARY

1. All temporary closures shall be carried out as indicated in Los Angeles County Fire Department, Fire Prevention Division, Supplement #A -- Inspection Guide #6, "Abandonment or Removal of Underground Tanks," Part A and any other applicable Parts.

1. All tank removals shall be carried out as indicated in Los Angeles County Fire Department, Fire Prevention Division, Supplement #A -- Inspection Guide #6, Part D and any other applicable Parts.
2. Owners/operators shall notify the Building Department having jurisdiction at the place of removal if a grading permit is necessary.
3. Removed tanks shall not be transported away from the site until an inspection to establish site integrity is carried by the County Engineer.
4. If an appointment has been arranged with a County Engineer Inspector to inspect the removal of a tank, the inspector will only wait at the site a reasonable amount of time (approximately one hour) after arriving for the removal to commence. Another closure fee may be charged if the inspector has to return to the site.
5. After inspection, tanks shall be transported to a legal disposal point.
6. If the tank has stored materials other than motor fuel, fuel oil or waste oil, site integrity shall be demonstrated using the soil sampling and analysis procedures described in CONDITIONS D below.
7. The site shall be backfilled and recompact to a relative compaction of 90%.

CONDITIONS D -- PERMANENT

1. All permanent closures of tanks in place shall comply with Los Angeles County Fire Department, Fire Prevention Division, Supplement #A -- Inspection Guide #6, Parts B or C, and any other applicable Parts.
2. Owners/operators shall demonstrate part site integrity as follows:
 - a. Test borings shall be slant drilled to intercept a point beneath the center of the tank, if possible. If slant drilling is not feasible, the test borings may be drilled vertically and the reason stated in the report in 3.B. below.
 - b. For single tanks, a minimum of two test borings will be required, each located on opposite sides of the tank along the major axis of the tank.
 - c. For multiple tanks, as a minimum, borings shall be placed at 20 foot intervals around the tank cluster. The actual number and location of borings shall be evaluated on a case-by-case basis. Tanks separated by 20 feet or more shall be considered single tanks for the purposes of test location and placement.
 - d. Soil samples shall be taken at depths of 8, 10, 20, 30 and 40 feet below grade level.
 - a. A Shelby Tube or a Modified California Sampler shall be utilized for taking all soil samples.
 - b. Soil samples shall be capped immediately with teflon or aluminum.
 - c. Soil samples shall not be extruded in the field but are to be immediately placed in a refrigerated ice chest and transported to a state certified laboratory for analysis, using suitable methods.
 - e. A report containing the results of the above analysis shall be submitted to the County Engineer.
3. If the soil analysis in 2. above indicates the presence of contaminants, the County Engineer shall require a site investigation as described in Chapter V of the County's "Underground Storage of Hazardous Materials -- Guidelines."

DEPARTMENT OF PUBLIC WORKS
CLOSURE PERMIT
SOIL SAMPLING REQUIREMENTS FOR TANK REMOVALS
VOLATILE, SEMI-VOLATILE AND EXTREMELY HAZARDOUS MATERIALS

These requirements are in addition to those specified on the Closure Permit or supplemental forms.

Site integrity shall be demonstrated as indicated below prior to tank removals where the tank presently or previously contained either 1) a volatile or semi-volatile priority pollutant as defined by the Federal Register, Vol. 44, No. 233, December 3, 1979, (Revised 1981), or 2) any material which, as a waste, would be considered an extremely hazardous waste as defined by Title 22, California Administrative Code, Section 66680.

It is the Owners/operators responsibility to insure tanks are not excavated until site integrity has been determined and that all applicable safety measures are taken to protect all personnel at the removal site from exposure to hazardous materials. Owners/operators shall demonstrate site integrity as follows:

1. Test borings shall be slant drilled to intercept a point beneath the center of the tank, if possible. If slant drilling is not feasible, the test borings may be drilled vertically and the reason stated in the closure report.
2. For single tanks, a minimum of two test borings will be required, each located on opposite sides of both the major and the minor axis of the tank. The borings shall be as close as practicable to the tank.
3. For multiple tanks, as a minimum, borings shall be placed at 20 foot intervals around the tank cluster. The actual number and location of borings shall be evaluated on a case-by-case basis. Tanks separated by 20 feet or more shall be considered single tanks for the purpose of boring location and placement.
4. Samples shall be obtained under the direct supervision of a California Certified Engineering Geologist, California Registered ~~Geologist~~ or California Registered Civil Engineer with sufficient experience in soils.
5. Soil samples shall be obtained at depths of 5, 10, 20, 30 and 40 feet below grade level.
6. A Shelby Tube or a Modified California Sampler shall be utilized for obtaining all soil samples.
7. Soil samples shall be capped immediately with teflon or aluminum foil.
8. Soil samples shall not be extruded in the field but are to be immediately placed in a refrigerated ice chest and transported to a State certified laboratory for analysis, using suitable methods.
9. If groundwater is encountered during sampling, a groundwater monitoring well shall be established at the most downgradient sampling point. The well shall be properly developed and a groundwater sample shall be obtained. and analyzed.
10. All soil samples obtained shall be discrete, undisturbed, sealed and unexposed prior to analysis. The method used to obtain the samples and the date of sampling shall be included in the final report. Samples submitted for laboratory analysis are not to be used for field screening.

NOTICE TO CLOSURE PERMIT APPLICANTS

The South Coast Air Quality Management District (SCAQMD) has adopted Rule 1166 regulating emissions of Volatile Organic Compounds (VOC) from decontamination of soil effective August 6, 1988.

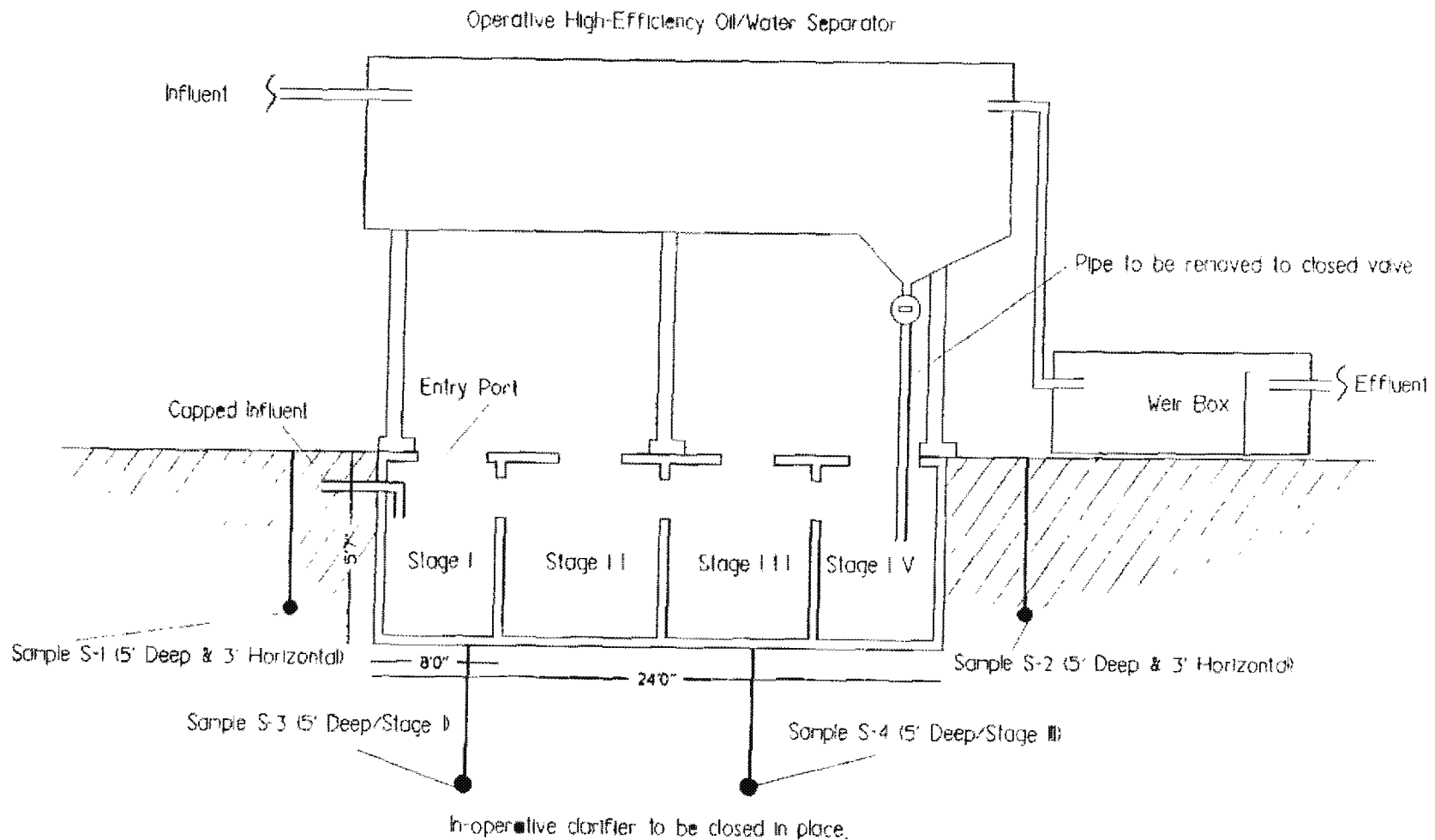
In addition to the requirements of your Closure Permit, persons excavating any underground storage tank that previously contained VOC's must:

- Notify the SCAQMD Executive Officer by telephone at (310) 403-6000 24 hours prior to tank excavation. 1166(c)(1)(A)
- Monitor the excavated material during the excavation for VOC contamination. 1166(c)(1)(B)
- When VOC contamination is detected:
 - * Cease excavation
 - * Cover the contaminated soil until implementation of approved mitigation measures. 1166(c)(1)(C)
 - * Notify the SCAQMD Executive Officer at (714) 396-2000 within 24 hours of detection of VOC contaminated soil. 1166(c)(2)(A)
- A person shall not engage in or allow any on-site or off-site spreading of VOC contaminated soil which results in uncontrolled evaporation of VOC to the atmosphere. 1166(c)(3)

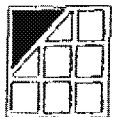
Exemptions

- Treatment of less than one (1) cubic yard of contaminated soil. 1166(d)(1)(A)
- Decontamination of soil containing organic compounds that have initial boiling point of 302°F or greater, Reid Vapor Pressure less than 80mm Hg or Absolute Vapor Pressure less than 36mm Hg at 20°C. 1166(d)(1)(B),(F)
- Removal of soil for sampling purposes pursuant to EPA methods. 1166(d)(1)(C)
- Accidental spillage of five (5) gallons or less of VOC. 1166(d)(1)(D)
- Documentation of soil which is contaminated through natural seepage of VOC from oil and gas wells or other natural sources. 1166(d)(1)(E)

SPECIFIC QUESTIONS ON RULE 1166 SHOULD BE REFERRED TO THE
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (909) 396-2000



NOTE: In-operative clarifier has no connections to sewerage lines.



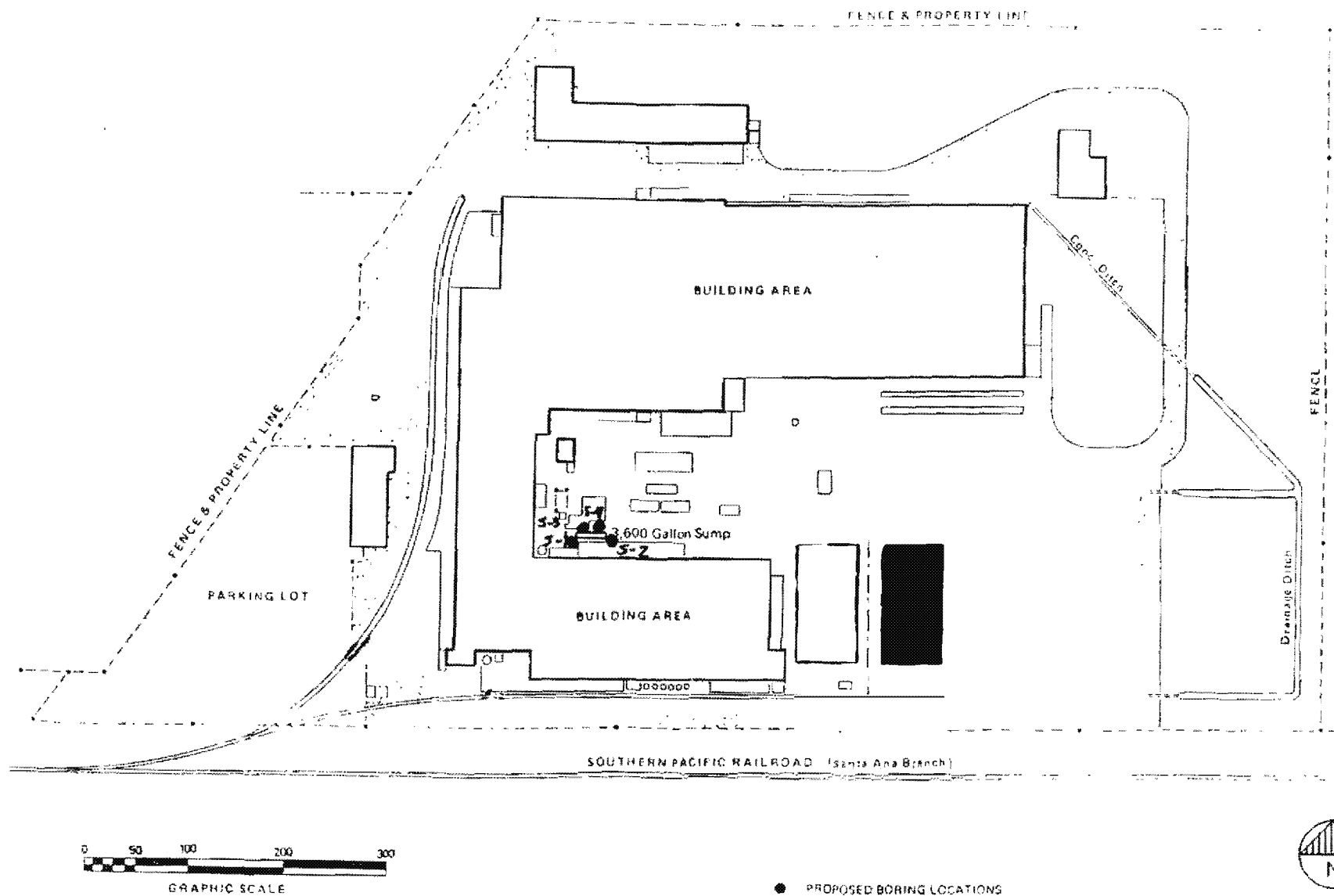
**CORNERSTONE
TECHNOLOGIES, INC.**
Environmental & Construction

ARMSTRONG WORLD INDUSTRIES, INC
5037 PATATA STREET
CITY OF SOUTH GATE
COUNTY OF LOS ANGELES, CALIFORNIA

FIGURE 2

SAMPLE LOCATIONS

PROJECT NO E3390-9642



**CORNERSTONE
TECHNOLOGIES, INC.**
Environmental & Construction

ARMSTRONG WORLD INDUSTRIES, INC
5037 PATATA STREET
CITY OF SOUTH GATE
COUNTY OF LOS ANGELES, CALIFORNIA

FIGURE 1
SITE PLOT PLAN

PROJECT NO E3390-9642

Closure Permit
No.: 170642-~~8~~
File No.
~~1~~ 11474-11516-2

To satisfy the permanent closure requirements for underground storage tanks previously storing hazardous materials, site integrity must be demonstrated by the analysis of soil samples and, if applicable, groundwater samples as outlined below. These requirements are in addition to the conditions listed on the Application for Closure or contained in an approved Closure Plan.

- [illegible]

3. All soil samples obtained shall be discrete, undisturbed and unexposed prior to analysis. The method used to obtain the samples and the date of sampling shall be included in the final report.
4. If groundwater is encountered during sampling, a groundwater monitoring well shall be established at the most downgradient sampling point. The well shall be developed by removing a minimum of four well volumes and a groundwater sample shall be obtained and analyzed.
5. The analytical results for all soil samples shall be expressed milligrams per kilogram (mg/kg), or micrograms per kilogram (ug/kg) as appropriate. Practical quantitation limits of 5-10 ug/kg (ppb) for volatile organics and 1 mg/kg (ppm) for the petroleum hydrocarbons must be achieved by the laboratory. Analytical results for groundwater samples shall be expressed in ug/l (ppb) and practical quantitation limits of .5-5 ug/l (ppb) for volatile organics, and 1 mg/l (ppm) for petroleum hydrocarbons must be achieved by the laboratory.
6. Analytical results shall be reported on laboratory letterhead and shall include the following information: a) The date the analysis was conducted; b) The method of extraction (if applicable); c) Detection limits for each analytical procedure and determination; d) The method of analysis; e) Signature of chemist certifying results.
7. All soil/groundwater samples obtained shall be handled and transported to laboratory in strict accordance with applicable EPA regulations utilizing chain-of-custody procedures. Chain-of-custody documentation shall be included in the final report.
8. If the soil/groundwater analysis indicates undefined contamination at the facility, additional sampling shall be required to define the vertical and lateral extent present.
9. A final report that contains all of the above required information shall be submitted to the office above within one (1) month from the sampling date or 180 days from the date of this permit, whichever is earlier.

- (c) **Removal of Residual Liquid and Sampling** - Cornerstone will then contract with a licensed waste hauler to remove the existing liquid from the clarifier prior to sampling. The clarifier will be hydroblasted to remove any remaining residual materials from the walls and floor of the unit. All liquids will be manifested and removed from the site by a licensed waste hauler to a permitted waste disposal facility. All documentation including manifests will be provided to the City of South Gate in the final closure report. The material in the clarifier is storm water runoff, estimated to be approximately 1,500 gallons.
- (d) **Sampling** - Cornerstone will then core four holes to obtain appropriate soil samples from the influent and effluent ports and from two locations beneath the unit (Please refer to Figure 2). Each of these holes will be filled with concrete upon completion of the sampling so as to close potential surface spill pathways. Cornerstone will follow all sampling protocols including decontamination of sampling equipment, proper chain of custody documentation and proper health and safety. All soil sampling will be performed by a State of California Registered Geologist (RG). Soil analysis data will be cross checked by use of in-field Organic Vapor Analyzer (OVA) measurements. All four soil samples will be tested via EPA SW-846 Method 418.1 for Total Recoverable Petroleum Hydrocarbons (TRPH), California Administrative Manual Metals (CAM 17), EPA Method 8240 for solvent constituents and EPA Method 8015M Fingerprint for Total Petroleum Hydrocarbons (TPH). The following soil samples will be tested at the following locations and depths:

Sampling Protocol

Sample ID	Location	Depth	Sample Analysis
S-1	Influent Connection (Capped)	5' below ground surface (bgs) and 3' out horizontally	418.1 TRPH CAM Metals (17) 8240 Solvents 8015M Fingerprint TPH pH
S-2	Effluent Connection (Capped)	5' below ground surface (bgs) and 3' out horizontally	
S-3	Stage I	5' bgs, Stage I counting from influent connection	
S-4	Stage III	5' bgs	



ATTENTION CONTRACTOR

NOTIFICATION/PERMIT REQUIREMENTS

This Closure Authorization is issued subject to compliance with all applicable laws and regulations relating to the performance of work including, but not limited to, business license requirements, Building Codes, Fire Codes, Air Quality regulations, Health and Safety Codes, Water Codes, and Transportation regulations.

Pursuant to Los Angeles County Code, Section 11.78.045, and the Conditions and Limitations of the attached Hazardous Materials Underground Storage Closure Authorization, you are required to complete ALL of the agency notifications indicated below within the time period specified prior to commencement of work on this closure.

[X] 72 HOURS - DEPARTMENT OF PUBLIC WORKS INDUSTRIAL WASTE ENGINEERING INSPECTOR:

>>>Unless otherwise noted DPW inspectors are available at the following offices, Monday through Friday, between 8:00 a.m. and 9:30 a.m. ONLY.<<<

- [] BELLFLOWER AREA - (310) 804-2584
16600 Civic Center Dr., Suite 200, Bellflower, CA 90607
- [] CENTINELA VALLEY AREA - (310) 534-4862 or 534-4859
24320 S. Narbonne Ave., Lomita, CA 90717
- [X] LENNOX AREA - (310) 534-4862 or 534-4859
24320 S. Narbonne Ave., Lomita, CA 90717
- [] SAN GABRIEL VALLEY AREA - (818) 574-0962
125 S. Baldwin Ave., Arcadia, CA 91007
- [] SAN DIMAS AREA - M, W, & F - (818) 574-0961 or T & TH - (818) 961-9611
125 S. Baldwin Ave., Arcadia, CA 91007
- [] EAST LOS ANGELES AREA - (213) 260-3466
5119 E. Beverly Blvd., Los Angeles, CA 90022
- [] NEWHALL AREA - (805) 253-7207
23757 W. Valencia Blvd., Santa Clarita, CA 91355

[X] 48 HOURS (OR AS REQUIRED) - LOCAL FIRE DEPARTMENT FIRE PREVENTION INSPECTOR:

[] City of _____

[X] Los Angeles County Fire Department 213 - 585 - 3554

[X] 24 HOURS - SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

(909) 396-2000

[X] COUNTY SERVES AS BUILDING OFFICIAL, SEE ATTACHED.

John Hunter
city of South C

FAILURE TO PROVIDE NOTICE AS REQUIRED ABOVE MAY RESULT IN PERMIT REVOCATION, ADDITIONAL SITE ASSESSMENT REQUIREMENTS, AND/OR ADMINISTRATIVE PENALTIES AS PROVIDED BY LAW.

COUNTY LOS ANGELES DEPARTMENT C PUBLIC WORKS
WASTE MANAGEMENT DIVISION

CLOSURE REPORT REQUIREMENTS

A closure report shall be submitted to the County of Los Angeles Department of Public Works, Waste Management Division, P.O. Box 1460, Alhambra, California 91802-1460, containing:

1. File number of facility and closure permit number.
2. Plot plan to scale showing locations of tanks, sampling points, buildings, adjacent streets, and north arrow.
3. Description of methods for obtaining, handling, and transporting samples.
4. Time and date samples were obtained.
5. Soil sampling certification (including but not limited to soils classification, boring logs, sample procedures, sample locations, initiating chain-of-custody, and groundwater location) for UST closure shall be certified by a California registered geologist, a California certified engineering geologist, or a California registered civil engineer with sufficient experience in soils. The certification must clearly state that all work was performed under the supervision of the person signing.
6. Chain-of-custody documentation initiated by person obtaining sample through person at CAL/EPA Department of Toxic Substance Control certified laboratory.
7. Disposal destination of tanks and evidence of legal disposal.
8. Analysis results by a State certified laboratory submitted on laboratory letterhead showing analysis date, methods of extraction, and methods of analysis.
9. Documentation as to depth of groundwater at facility.
10. Manifests to document hazardous waste disposal of any removed soil and tank rinseate.
11. Any observations of site contamination.
12. Remedial action plan to mitigate contamination.
13. Report to be signed by a California registered geologist, a California certified engineering geologist, or a California registered civil engineer with sufficient experience in soils.

Print Name

JOHN R. TALBOT, REA

Signature

Date

8/8/96

UST/CRR

05/10/93

Post-it brand fax transmittal memo 7671	
To: John Talbot	From: [unclear]
Co: [unclear]	Co: [unclear]
Dept: [unclear]	Phone: [unclear]